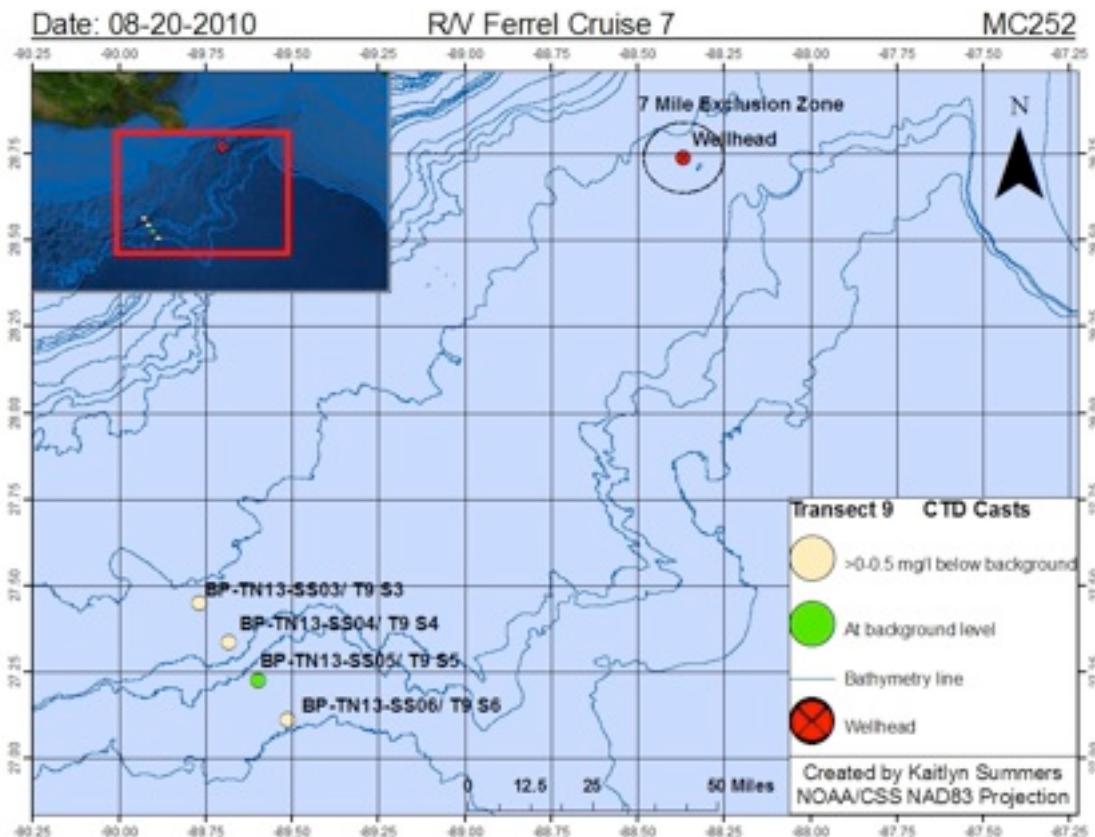


**R/V Ferrel**  
**Francine Reid**

1. Safety Meeting – 6:30am
2. Arrived at sampling station – 7:00am
3. Sampling begins - 7:00am
4. Four stations were sampled today with four samples per station, including surface samples.
5. No more SIP samples will be taken the rest of this cruise. All available bottles have been used.
6. Hearn=DNA, RNA, PLFA (MoBio filter)  
Fran =AODC, VOA Analysis, Nutrient Chemistry, Uncontaminated plume depth water, Culturing, PLFA (Sterivex filter)
7. Weather conditions: Air Temperature 89 degrees Fahrenheit, seas 1ft

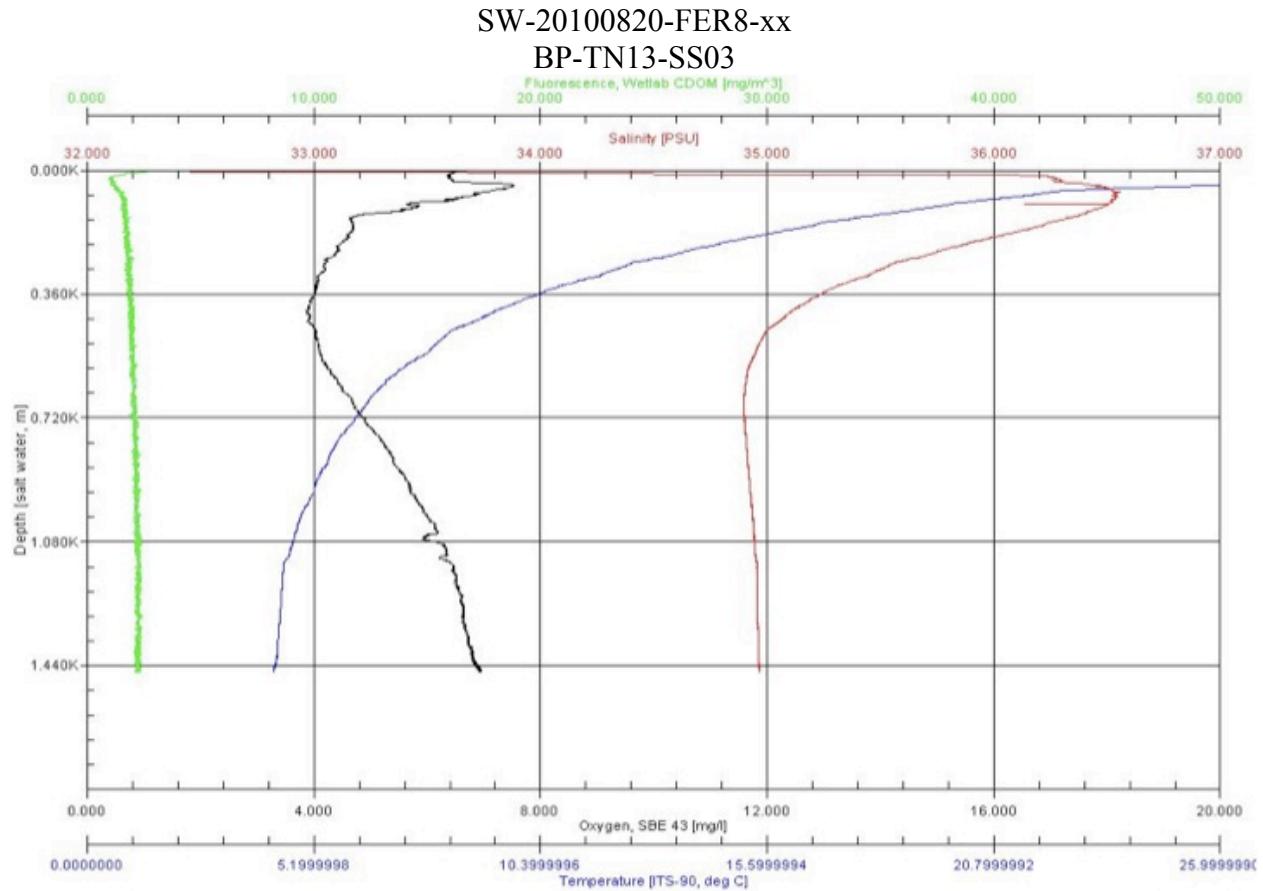
Sampling Nomenclature:

SW-YYYYMMDD-VesselMission#-SampleID  
BP-TransectNumber##-SamplingSite##



### First station

106 miles SSW of wellhead. DO decline with narrow depression of 0.4 mg/l at 1070m and 0.1 mg/l at 1120m. Seabed at 1469m

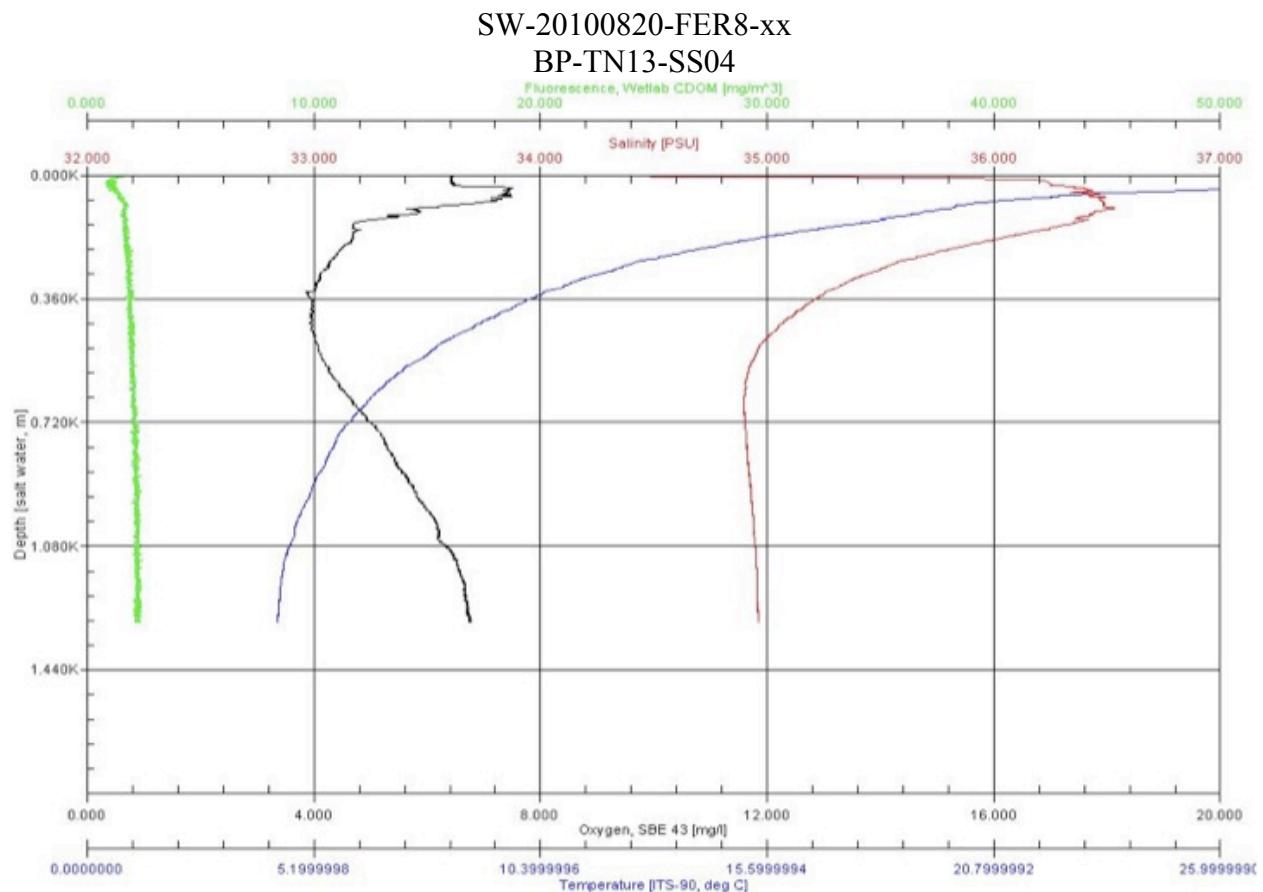


1. SW-20100820-FER8-01 (Surface)  
BP-TN13-SS03
  - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, SIP, Nutrient Chemistry
2. SW-20100820-FER8-02 (1200m)  
BP-TN13-SS03
  - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, SIP, Nutrient Chemistry
3. SW-20100820-FER8-04 (1070m)  
BP-TN13-SS03
  - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, SIP, Nutrient Chemistry
  - Roger took 15mL sample for pressurization
4. SW-20100820-FER8-06 (950m)  
BP-TN13-SS03

- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA, SIP, Nutrient Chemistry

### Second station

107 miles SSW of wellhead. DO decline with narrow depression of <0.1 mg/l at 1060m. Total CTD cast depth 1300m



5. SW-20100820-FER8-08 (surface)  
BP-TN13-SS04
  - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry
6. SW-20100820-FER8-09 (1200m)  
BP-TN13-SS04
  - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, SIP, Nutrient Chemistry
  - Roger took 15mL sample for pressurization
7. SW-20100820-FER8-11 (1060m)  
BP-TN13-SS04
  - DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry, SIP

8. SW-20100820-FER8-13 (950m)  
 BP-TN13-SS04
- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry

### Third station

110 miles SSW of wellhead. No DO anomaly. Total CTD cast depth 1300m.



9. SW-20100820-FER8-15 (surface)  
 BP-TN13-SS05
- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry
10. SW-20100820-FER8-16 (1300m)  
 BP-TN13-SS05
- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, SIP, Nutrient Chemistry
  - Roger took 15mL sample for pressurization
11. SW-20100820-FER8-18 (1150m)  
 BP-TN13-SS05

- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry, SIP

12. SW-20100820-FER8-20 (1000m)

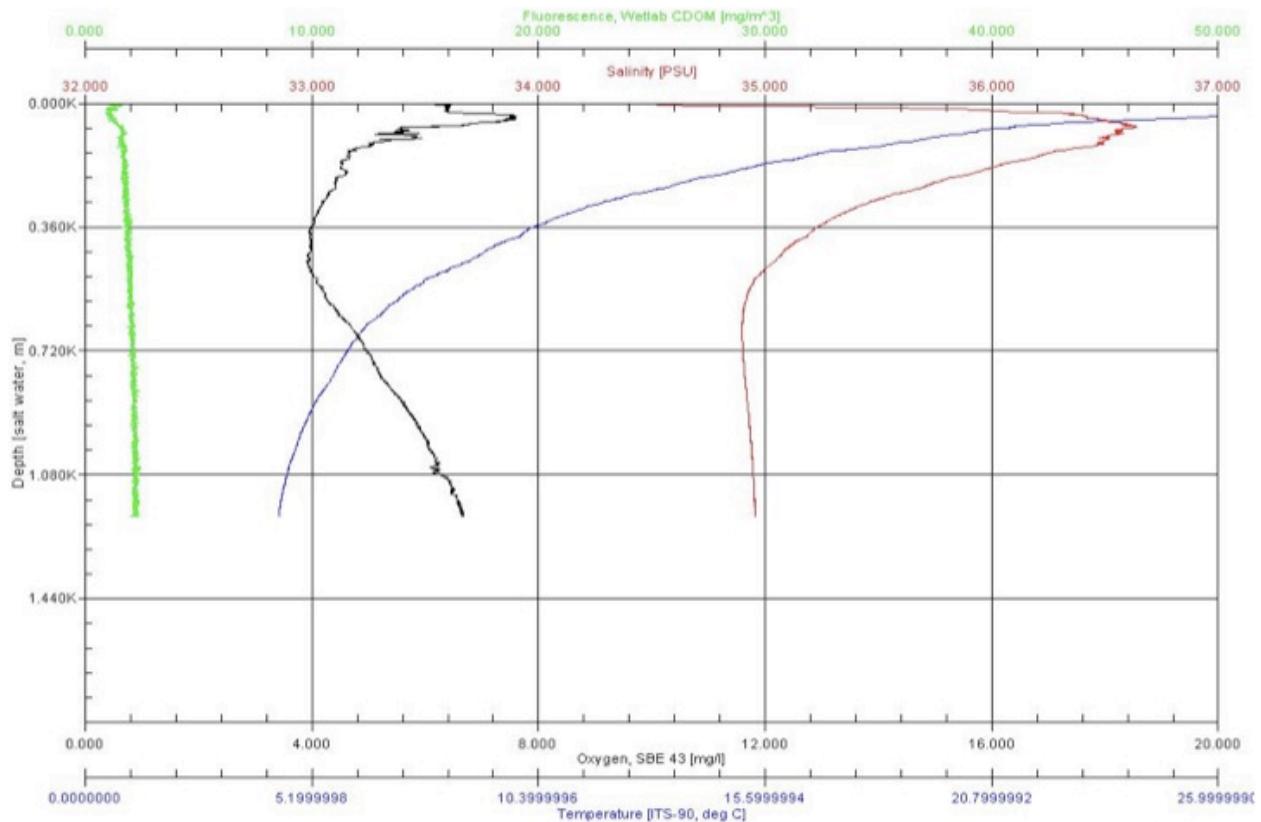
BP-TN13-SS05

- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry

### Fourth station

113 miles SSW of wellhead. DO decline with narrow depression of 0.1 mg/l at 1060m and <0.1 mg/l at 1075m. Total CTD cast depth 1300m

SW-20100820-FER8-xx  
BP-TN13-SS06



13. SW-20100820-FER8-22 (surface)

BP-TN13-SS06

- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry

14. SW-20100820-FER8-23 (1200m)

BP-TN13-SS06

- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, SIP, Nutrient Chemistry
- Roger took 15mL sample for pressurization

15. SW-20100820-FER8-**25** (1060m)

BP-TN13-SS06

- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry, SIP

16. SW-20100820-FER8-**27** (1000m)

BP-TN13-SS06

- DNA (4L), RNA (4L), PLFA (Sterivex 600mL + MoBio Filter 1.4L), AODC, VOA Analysis, Nutrient Chemistry